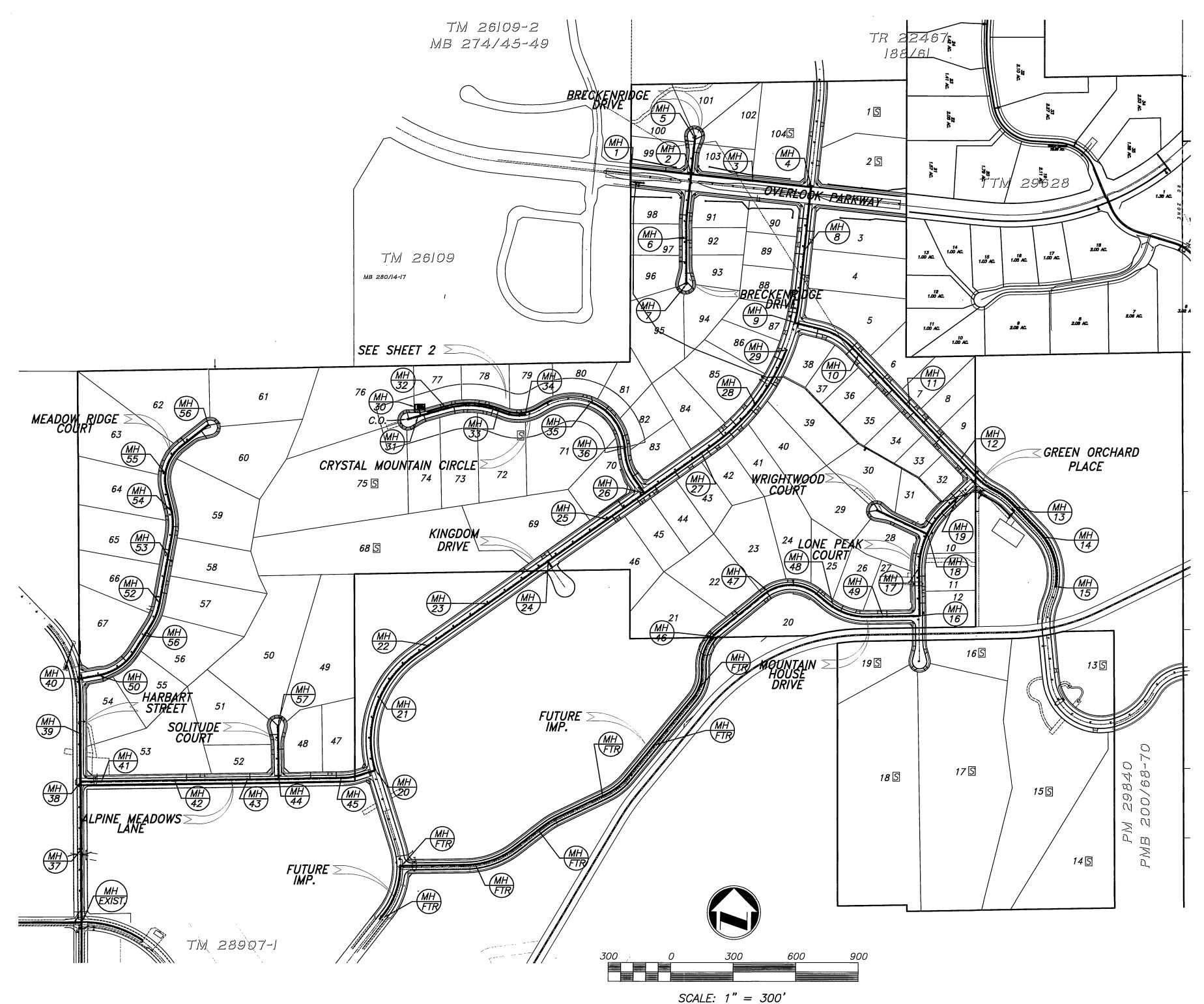
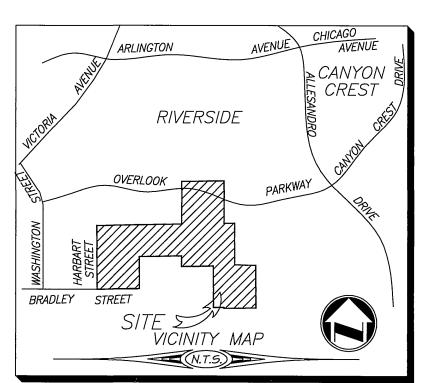
FORCE SEWER MAIN IMPROVEMENT PLANS FOR: TRACT No. 29515





LENGEND ..CENTERLINE RIGHT OF WAY ..MANHOLE .FORCE MAIN .SEPTIC

CONSTRUCTION NOTES + QUANITY

CONSTRUCT DRIVEWAY APPROACH PER CITY OF RIVERSIDE

STANDARD DRAWING NO. 302, W=10.0'

CONSTRUCT 4" DIA. P.V.C. SEWER FORCE MAIN, SCH 80 CONFORMING TO AWWA C900, PER CITY OF RIVERSIDE STD., CASE II BEDDING 878 LF CONSTRUCT MANHOLE PER C/RIV. STD. DWG. 500 1 EA CONSTRUCT PRECAST CONCRETE FORCE MAIN CLEANOUT PER 1 EA CITY OF RIVERSIDE STANDARD DRAWING NO. 559 (4" PIPE) CONSTRUCT UNDER SIDEWALK DRAIN PER CITY OF RIVERSIDE 2 EA STANDARD DRAWING NO. 411, W=3.0°

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT—OF—WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.

3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.

4. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.

6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.

7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.

8. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.

9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION. 10. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.

11. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL

12. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.

13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

SEWAGE SPILL CONTAINMENT PLAN

GENERAL NOTES

CHAPTER 14.12.295 OF THE RIVERSIDE MUNICIPAL CODE PROHIBITS THE DISCHARGE OF ANY POLLUTANT TO A STORM DRAIN OR ANY SURFACE, PIPE, OR WATERWAY LEADING TO A STORM DRAIN. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE INSPECTOR FOR REVIEW A SEWAGE SPILL CONTAINMENT PLAN. NO WORK WILL BE PERMITTED ON THE EXISTING SEWER SYSTEM UNTIL THE REVIEW IS COMPLETED. A COPY OF THE PLAN SHALL BE KEPT ON THE PROJECT SITE DURING CONSTRUCTION. THIS PLAN SHALL DESCRIBE THE METHODS TO BE USED TO PREVENT OR CONTAIN SEWAGE SPILLS. AT A MINIMUM, THE PLAN SHALL PROVIDE:

A SCALED DRAWING SHOWING ANY PROPOSED EMERGENCY CONTAINMENT AREA(S) AND THE METHODS USED TO CONSTRUCT THEM. THIS PLAN SHALL ALSO SHOW ANY STORM DRAIN INLETS THAT COULD BE AFFECTED BY AN ACCIDENTAL SPILL AND METHODS TO BE USED TO PREVENT THE INLETS FROM ACCEPTING ANY SEWAGE. IN ADDITION, SHOW THE CONTROLS TO BE USED TO LIMIT ACCESS TO THE SPILL AREA BY THE PUBLIC.

DESCRIBE THE METHODS TO BE USED FOR REMOVING SEWAGE AND CLEANING OF THE STORM DRAIN INLETS, STORM DRAINS, CANALS, AND ARROYOS. THIS DESCRIPTION SHALL INCLUDE METHODS FOR SOLIDS

DESCRIBING DISINFECTING AND DISINFECTION CLEAN UP METHODS. THESE METHODS SHALL SHOW HOW DISINFECTING MATERIALS WILL BE PREVENTED FROM ENTERING STORM DRAINS, CANALS, AND ARROYOS.

A SCALED DRAWING(S) SHOWING ANY PROPOSED SEWAGE BY-PASS PIPES. THIS DRAWING SHALL INDICATE ANY SEWER MANHOLES PROPOSED TO BE PLUGGED AND THE DAY AND TIME OF DAY THIS OPERATION WILL OCCUR.

THE SIZE AND MATERIAL OF ANY BY-PASS PIPES.

THE METHODS TO BE USED TO CONNECT THE BY-PASS PIPE(S) TO THE IF PUMPING IS PROPOSED, DESCRIBE THE NUMBER AND CAPACITY OF THE

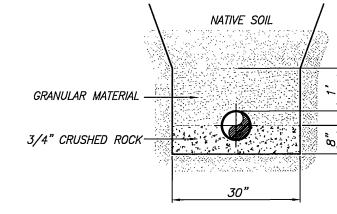
PUMPS. EACH PUMP, AT A MINIMUM, MUST BE CAPABLE OF PASSING A 3-INCH

IF STORAGE IS PROPOSED, PROVIDE THE METHODS TO BE USED FOR THE SEWAGE STORAGE AND REMOVAL FROM THE SITE. IF A TRUCK WITH A STORAGE TANK IS TO BE USED, PROVIDE THE CAPACITY OF THE TANK. IF A WATER TRUCK IS PROPOSED FOR THIS PURPOSE, IT MUST BE DEDICATED

IN THE EVENT OF A SPILL, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND FIELD MAINTENANCE TECHNICIAN, CELL 951-906-9066 (IF NOT AVAILABLE CONTACT THE WASTE WATER TREATMENT PLANT AT 951-351-6140.) THE CONTRACTOR SHALL DOCUMENT THE SPILL BY PHOTOGRAPHING ITS EXTENT. THESE PHOTOGRAPHS SHALL BE SUBMITTED TO THE CITY FOR INCLUSION IN

SEWER CONSTRUCTION GENERAL NOTES

- 1. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION
- 2. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
- 3. NO FINISHED FLOOR ELEVATIONS SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
- 4. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE
- 5. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING
- 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTANCES AND AT NO COST TO THE CITY.
- 7. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT
- 8. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- 9. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- 10. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE
- 11. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- 12. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NUMBER 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
- 13. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.



CASE II BEDDING PER CITY OF RIVERSIDE STD. 452 NOT TO SCALE

Underground Service Alert Call: TOLL FREE

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/07 ENGINEERS CIVIL ENGINEERING . BURVEYING . PLANNING 6820 AIRPORT DRIVE, RIVERSIDE, CA192504 TEL: (951) 688-0241 FAX/ (951)/688/20599 DATE: 2/14/06 UNDER THE SUPERVISION OF:

ENCHMARK:F7-K3 CITY OF RIVERSIDE REFERENCE LL47/7. PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT ALONG THE SOUTHERLY CURB OF OVERLOOK PARKWAY 175 FEET EAST OF CHATEAU RIDGE DRIVE, TRANSFER FROM F7-C2 BY CITY SURVEY CREW 6/10/2002. E L E V A T I O N : 1426.960

REVISIONS APPR. DATE TRAFFIC DIVISION PLANNING DEPARTMENT DESIGNED BY: RICK DRAWN BY: BRYAN CHECKED BY: C-

1 EA

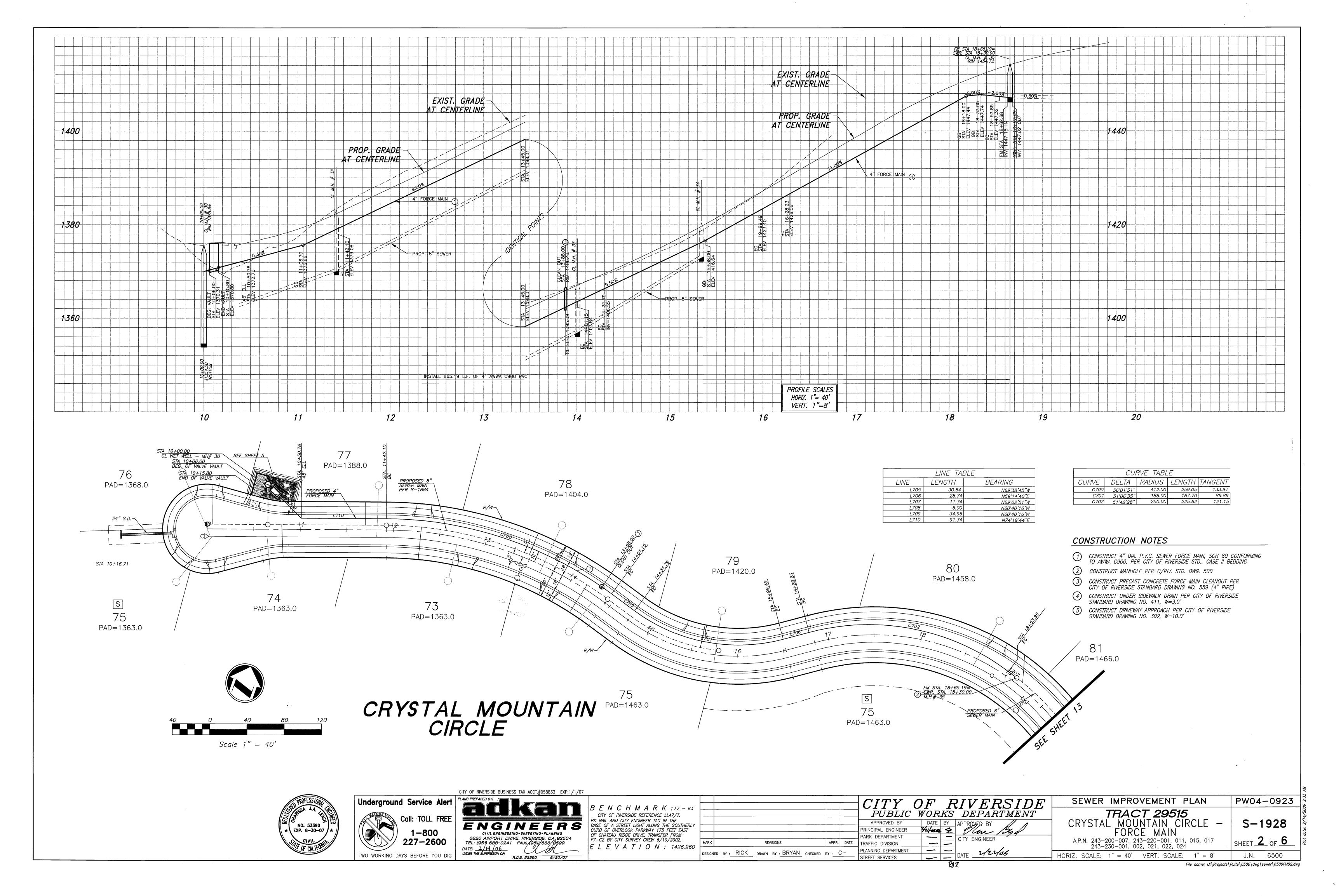
OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY PRINCIPAL ENGINEER PARK DEPARTMENT CITY ENGINEER

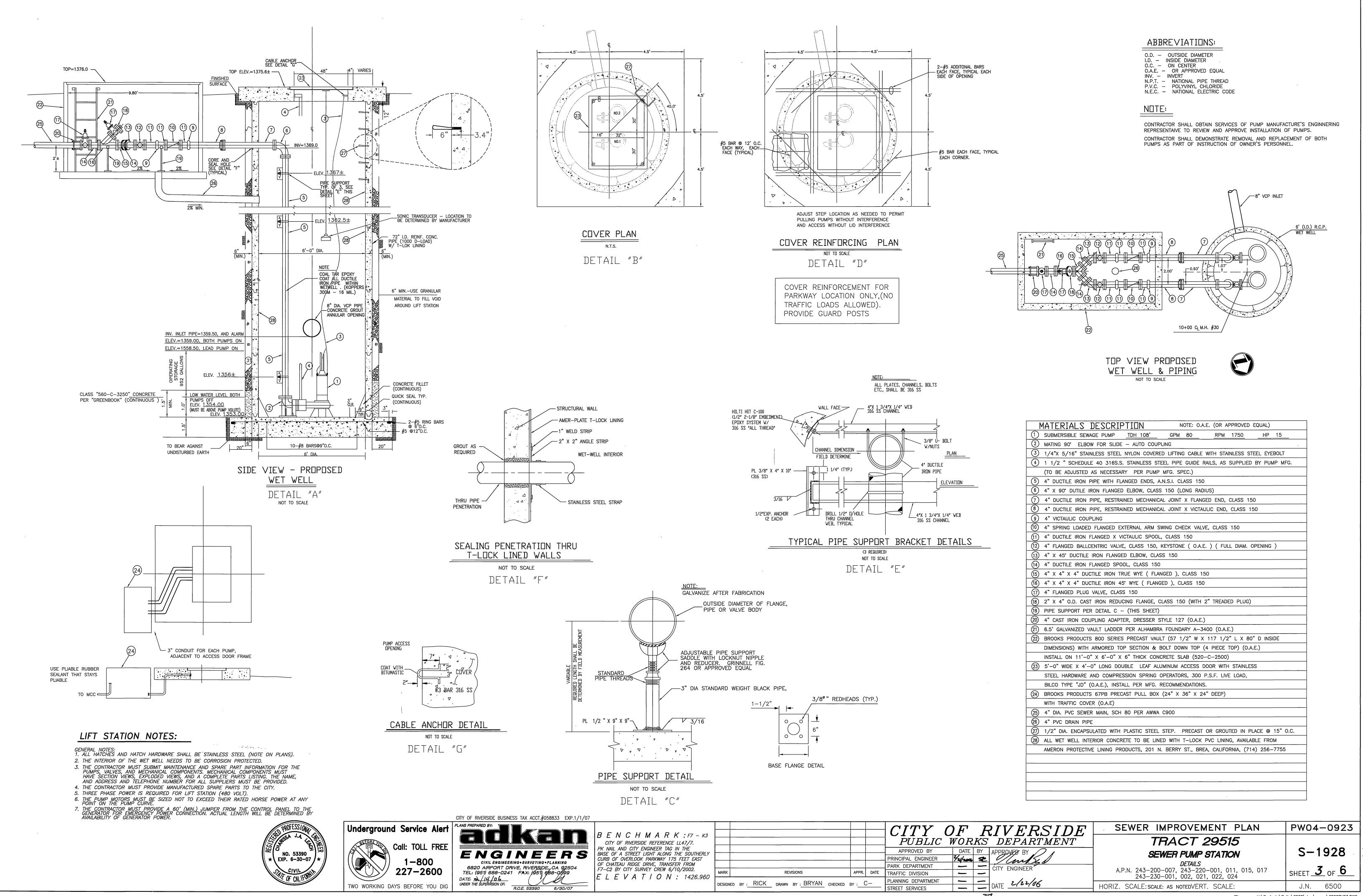
_ | _ DATE 2/22/06

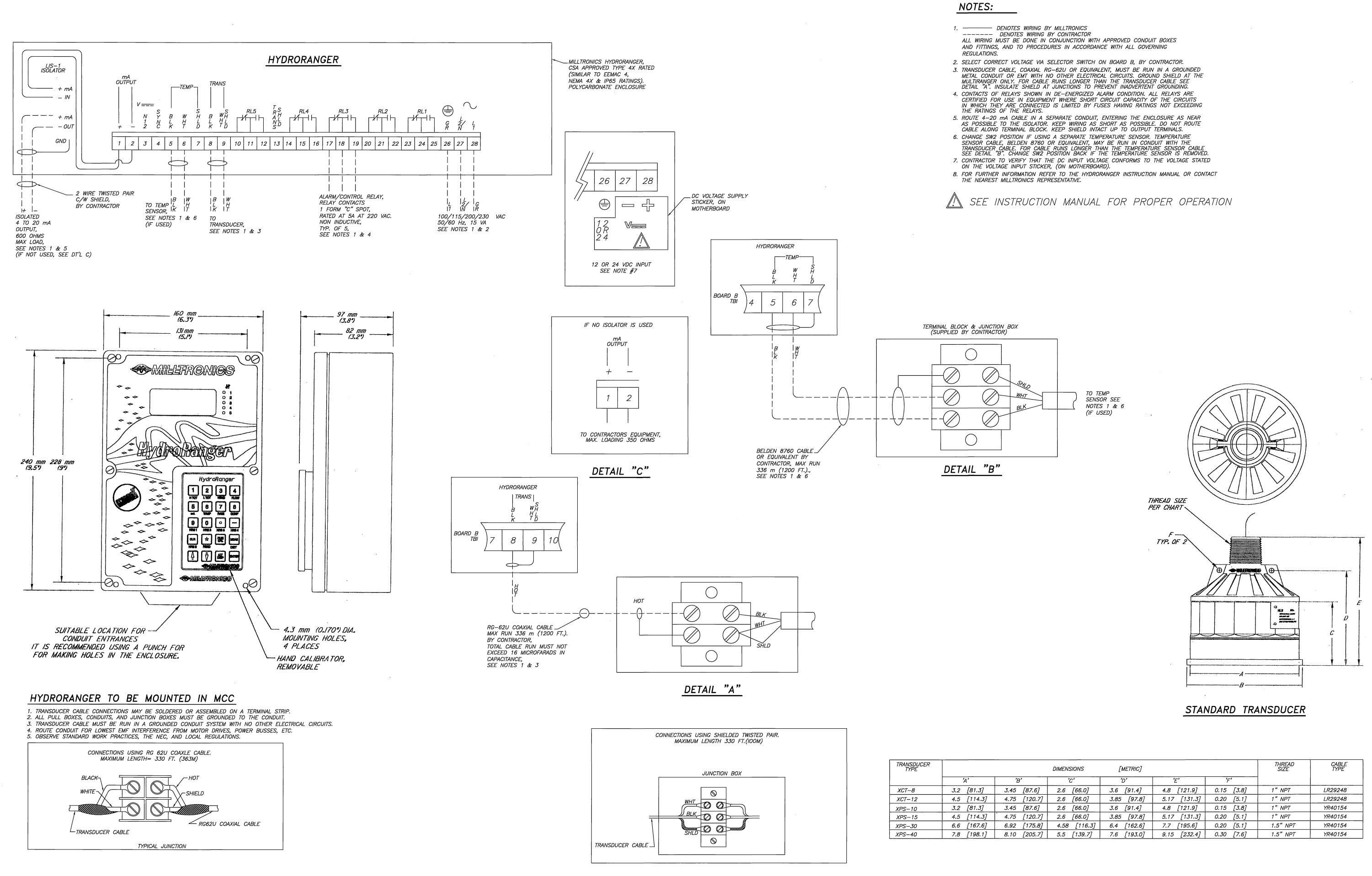
SEWER IMPROVEMENT PLAN TRACT 29515 4" FORCE MAIN AND PUMP STATION INDEX MAP AND GENERAL NOTES

S-1928 A.P.N. 243-200-007, 243-220-001, 011, 015, 017 SHEET I OF D 243-230-001, 002, 021, 022, 024 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED J.N. 6500

PW04-0923













		L
	BENCHMARK:F7-K3	
	CITY OF RIVERSIDE REFERENCE LL47/7.	
	PK NAIL AND CITY ENGINEER TAG IN THE	
3	BASE OF A STREET LIGHT ALONG THE SOUTHERLY	_
	CURB OF OVERLOOK PARKWAY 175 FEET EAST	
	OF CHATEAU RIDGE DRIVE, TRANSFER FROM F7—C2 BY CITY SURVEY CREW 6/10/2002.	
	E L E V A T I O N : 1426.960	М
	L L V A I I O IV . 1420.300	

A R K : F7 - K3			
FERENCE LL47/7.			
ER TAG IN THE			
ALONG THE SOUTHERLY WAY 175 FEET EAST			
TRANSFER FROM			
REW 6/10/2002. ON: 1426.960	MARK		
O W . 1420.900	DESIGN	ED	В

				CITY	<i>) </i>
_) []
				PUBLIC	WOR
				APPROVED BY	DATE
				PRINCIPAL ENGINEER	2/21/2006
				PARK DEPARTMENT).
	REVISIONS	APPR.	DATE	TRAFFIC DIVISION	
BY:	: RICK DRAWN BY : BRYAN CHECKED BY		y: C-	PLANNING DEPARTMENT	~
DI :	THE DRAWN BY : DIVINITY CHECKED B	· · · · · · · · · · · · · · · · · · ·	STREET SERVICES		

STREET SERVICES

A S	RIV E'RS'IDE' DEPARTMENT	
ey Se	APPROVED BY	
	CITY ENGINEER	

RVZ

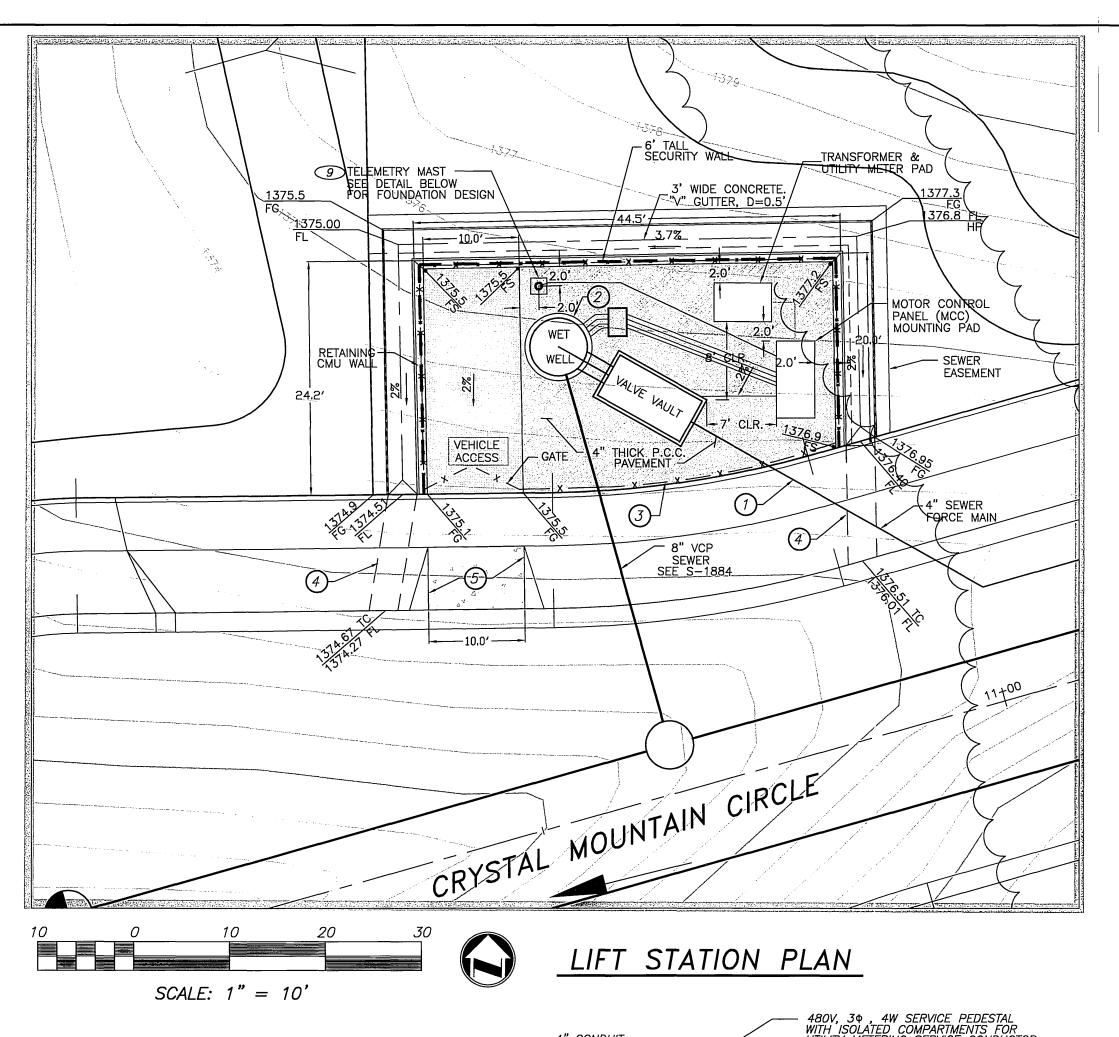
HORIZ. SCALE:

SEWER IMPROVEMENT PLAN PW04-0923 TRACT 29515 S-1928 SEWER PUMP STATION A.P.N. 243-200-007, 243-220-001, 011, 015, 017 243-230-001, 002, 021, 022, 024

VERT. SCALE:

File name: U:\Projects\Pulte\6500\dwg\sewer\6500FM04.dwg

J.N. 6500



GENERAL NOTES:

- 1. PROVIDE ALL NECESSARY CONDUITS AND REQUIRED WIRING FROM CONTROL PANEL TO THE ELECTRICAL EQUIPMENT IN THE WET WELL, AS SHOWN AND AS REQUIRED.
- 2. TERMINAL BLOCK(S) FOR EQUIPMENT STATUS, FAILURE ALARMS, ETC. ARE TO BE FURNISHED AND INSTALLED AT THE DEVELOPERS EXPENSE. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CITY OF RIVERSIDE.
- 3. THE CONTRACTOR MUST SUBMIT MAINTENANCE AND MANUFACTURERS RECOMMENDED SPARE PARTS FOR ALL ELECTRICAL AND INSTRUMENTATION COMPONENTS. A COMPLETE PARTS LISTING WITH THE NAME, ADDRESS, AND TELEPHONE NUMBER FOR THE SUPPLIES MUST BE PROVIDED.
- 4. THE CONTRACTOR MUST PROVIDE THE MANUFACTURERS RECOMMENDED SPARE PARTS TO THE CITY.
- 5. THE CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS OF THE ELECTRICAL SYSTEM. THIS INCLUDES THE GENERAL WIRING AND THE INTERNAL WIRING OF ALL THE CONTROL PANEL COMPONENTS. MOSCAD SPECIFICATIONS WILL BE PROVIDED BY THE CITY. EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CITY APPROVED CONTRACTOR. THE CITY WILL REVIEW AND APPROVE THE DRAWINGS. THE CONTRACTOR WILL MAKE ANY CHANGES AND SUBMIT FINAL SETS TO THE CITY.
- 6. ALL WIRES MUST BE INDIVIDUALLY TAGGED AT EVERY TERMINATION AND INSIDE EVERY JUNCTION BOX. WIRE NUMBERING AND TAGGING SYSTEMS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.
- 7. THE LIFT STATION WET WELL IS A CLASS 1, DIV.1 HAZARDOUS AREA. ALL WORK AND EQUIPMENT MUST CONFORM TO THIS CLASSIFICATION.
- 8. THE AREA WITHIN THE U.G. PRECAST CONCRETE PULL BOX IS ALSO CLASSIFIED AS A CLASS 1, DIV.1 HAZARDOUS AREA AND IS CONSIDERED AS AN EXTENSION OF THE WELL BY VIRTUE OF THE UNDERGROUND CONDUIT SYSTEMS WHICH ARE TO REMAIN OPEN AND NOT SEALED, FOR THE PURPOSE OF EASILY REMOVING AND INSTALLING THE CABLE SYSTEMS IN THE
- WET WELL. 9. THE CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE FOR TRANSDUCER, FLOATS, MOUNTING SUPPORTS FOR ALL
- WET WELL CABLES, ETC. 10. PROVIDE A CODE SIZE GROUND WIRE IN ALL CONDUITS.
- 11. CONDUIT AND WIRING WITHIN THE CONTROL PANEL IS NOT SHOWN. PROVIDE AND INSTALL AS REQUIRED.
- 12. PROVIDE AUX. CONTACT BLOCKS FOR H-O-A SWS TO MONITOR SWITCH POSITION.
- 13. THE CONTRACTOR SHALL REVIEW AND CONFIRM WITH THE CITY THE EQUIPMENT TO BE PROVIDED. 14. CONTRACTOR TO FURNISH AND INSTALL TELEMETRY MAST PER THE REQUIREMENTS DETERMINED BY A RADIO SURVEY PERFORMED
- AND PAID FOR BY THE DEVELOPER. 15. DEVELOPER SHALL CONTRACT WITH A CITY APPROVED CONTRACTOR TO INSTALL THE MOSCAD RTU AND INTEGRATE INTO THE CITY'S SCADA SYSTEM. (MUST BE A CITY APPROVED CONTRACTOR)

SPECIFIC NOTES:

- 1. 100AMP, 480V, NON FUSABLE DOUBLE THROW TRANSFER SWITCH CULTER HAMMER, TYPE DTK IN NEMA 1 ENCLOSURE.
- 2. UNDERGROUND PRECAST PULLBOX. 24"Lx36"Wx24"D. BROOKS PRODUCTS OR EQUAL WITH TRAFFIC COVER. PROVIDE 3" MIN. CABLE SLACK (COILED) IN BOX.
- 3. EXPLOSION PROOF JUNCTION BOX (SIZE AS REQUIRED) CROUSE-HINDS TYPE EJB WITH HINGED COVER AND SUBMERSIBLE RESIN- CAST SPLICES (WIRING, TYP. OF 2). PROVIDE CABLE GRIPS FOR CORDS. (SEE DETAIL THIS SHEET)
- (5.) EXPLOSION PROOF JUNCTION BOX WITH SEALING COVER FOR TRANSDUCER CABLE (NO SPLICES). (SEE DETAIL THIS SHEET)

SEWER IMPROVEMENT PLAN

SEWER PUMP STATION

DETAILSA.P.N. 243-200-007, 243-220-001, 011, 015, 017 243-230-001, 002, 021, 022, 024

VERT. SCALE:

HORIZ. SCALE:

TRACT 29515

PW04-0923

S-1928

SHEET <u>5</u> OF <u>6</u>

J.N. 6500

File name: U:\Projects\Pulte\6500\dwg\sewer\6500FM05.dwg

- 6. MOTOROLA MOSCAD, PAID FOR BY DEVELOPER, AND INSTALLED BY CONTRACTOR IN A SEPARATE CABINET INSIDE
- 7. PROVIDE GENERATOR RECEPTACLE. KILLARK 8581/21-407 AND 8581/22-407 PLUG. PROVIDE 60' MIN. SJO POWER CORD.
- (8.) PROVIDE CABLE BUSHINGS FOR CONDUITS INTO WET WELL. 9. CONTRACTOR SHALL PROVIDE SUITABLE YAGI ANTENNA WITH MAST FOR RTU.
- (10.) THE RTU SHALL BE PROVIDED WITH THE MANUFACTURER'S RECOMMENDED 12V BATTERY BACKUP.
- (11.) XP CONDUIT SEAL.

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

_____ DATE ___/22/06

RVZ

APPROVED BY

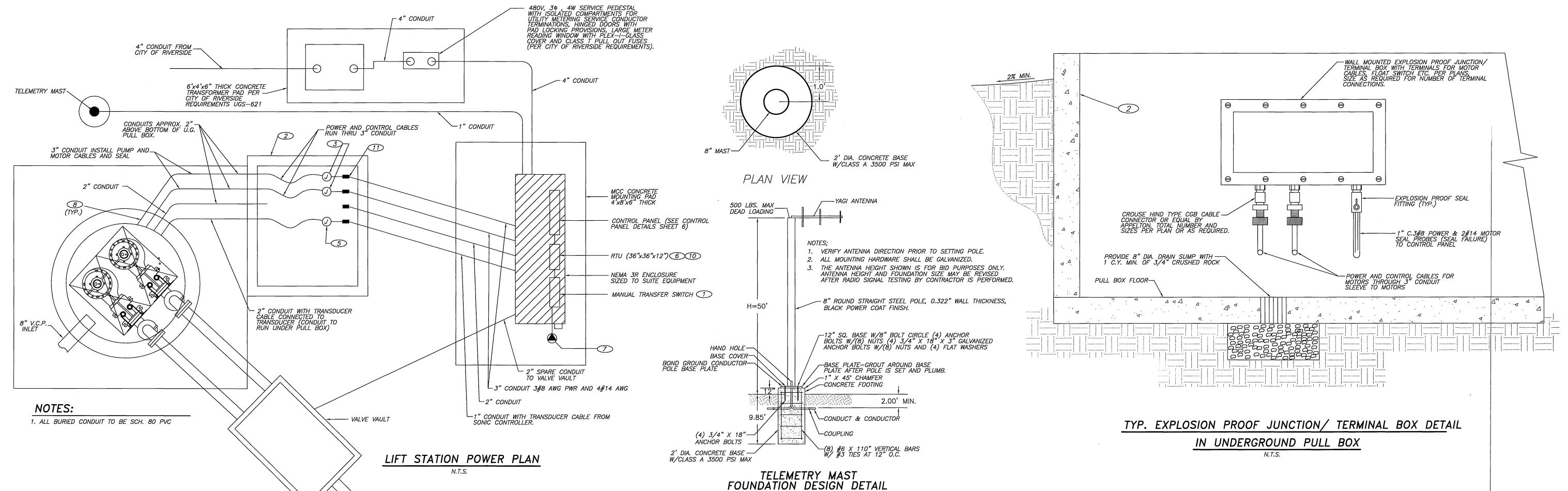
RINCIPAL ENGINEER

PLANNING DEPARTMENT

PARK DEPARTMENT

REVISIONS

DESIGNED BY: RICK DRAWN BY: BRYAN CHECKED BY: C-



ENCHMARK:F7-K3

CITY OF RIVERSIDE REFERENCE LL47/7.

BASE OF A STREET LIGHT ALONG THE SOUTHERLY CURB OF OVERLOOK PARKWAY 175 FEET EAST OF CHATEAU RIDGE DRIVE, TRANSFER FROM F7—C2 BY CITY SURVEY CREW 6/10/2002.

E L E V A T I O N : 1426.960

K NAIL AND CITY ENGINEER TAG IN THE

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/07

ENGINEERS

6820 AIRPORT DRIVE, RIVERSIDE, CA 92504 TEL: (951) 688-0241 FAX: (951) 688-0599

Underground Service Alert

Call: TOLL FREE

CONSTRUCTION NOTES

CONSTRUCT 4" DIA. P.V.C. SEWER FORCE MAIN, SCH 80 CONFORMING TO AWWA C900, PER CITY OF RIVERSIDE STD., CASE II BEDDING

6' TALL FENCE IS TO BE BLACK POWER COAT FINISH TUBULAR STEEL.

CONSTRUCT WET WELL SEE DETAIL ON SHEET 3

UNDER SIDEWALK DRAIN PER A.P.W.A. STD. PLAN 151-1

TYPE 2 INLET, S=3.0' - SEE STREET PLANS R-3892. DRIVEWAY APPROACH PER CITY OF RIVERSIDE STANDARD

DRAWING NO. 302, A=10.0' - SEE STREET PLANS R-3892.

